Gravity X

INTRINSICALLY SAFE CAMERA

"Revolutionary image and videocapture in hazardous area"

Dua Band Wifi	High Performance
High end Imaging	FlipScape
Rugged / Waterproof	Zone 1

Intro

Do you need a user friendly point and shoot HD camera when you work in hazardous areas? This intrinsically safe digital camera is designed to help you take high quality images where no other cameras are allowed. The Gravity X intrinsically safe camera is ATEX and IECEx Zone 1 and Zone 2, as well as CSA Class 1, Zone 1 (for US and Canada). The Gravity X also has 8 Mpix HD image sensors, a powerful LED light as well as sunlight readable display, Glove compatible touch and HD video recording capabilities.

Applications

Oil and Gas
Petrochemical
Mining
Pharmaceutical

Features

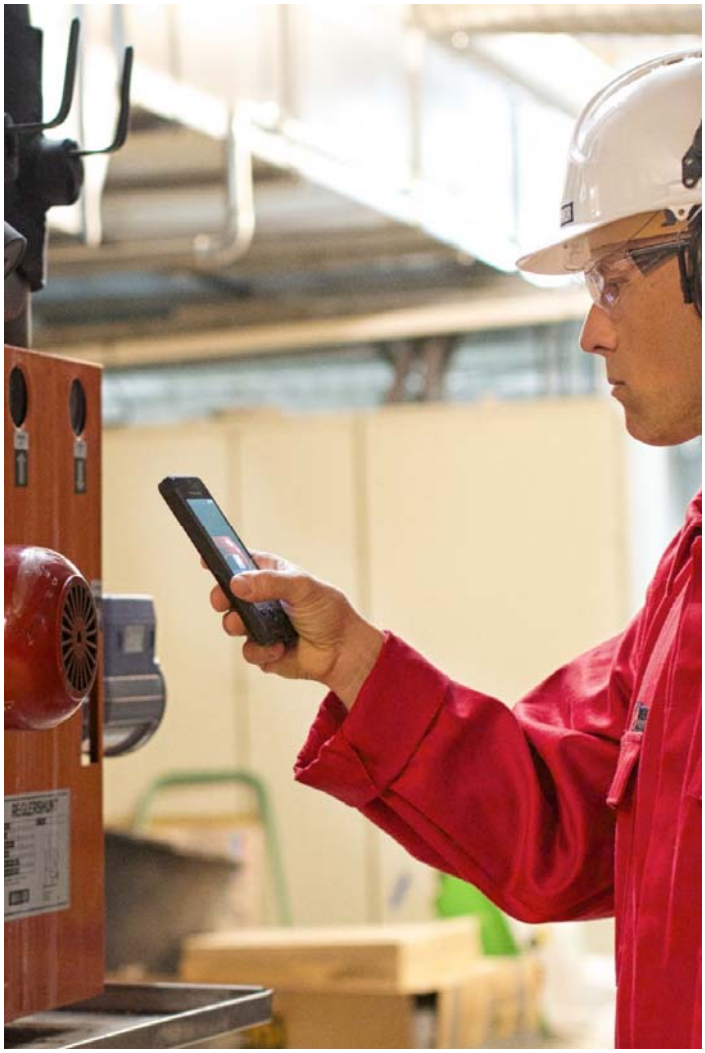
Three HD cameras
Powerful LED light
Glove Compatible
Light & user friendly

Benefits

Use in low light /darkness
Easy media transfer to PC
Dedicated camera button
View media instantly

Specifications

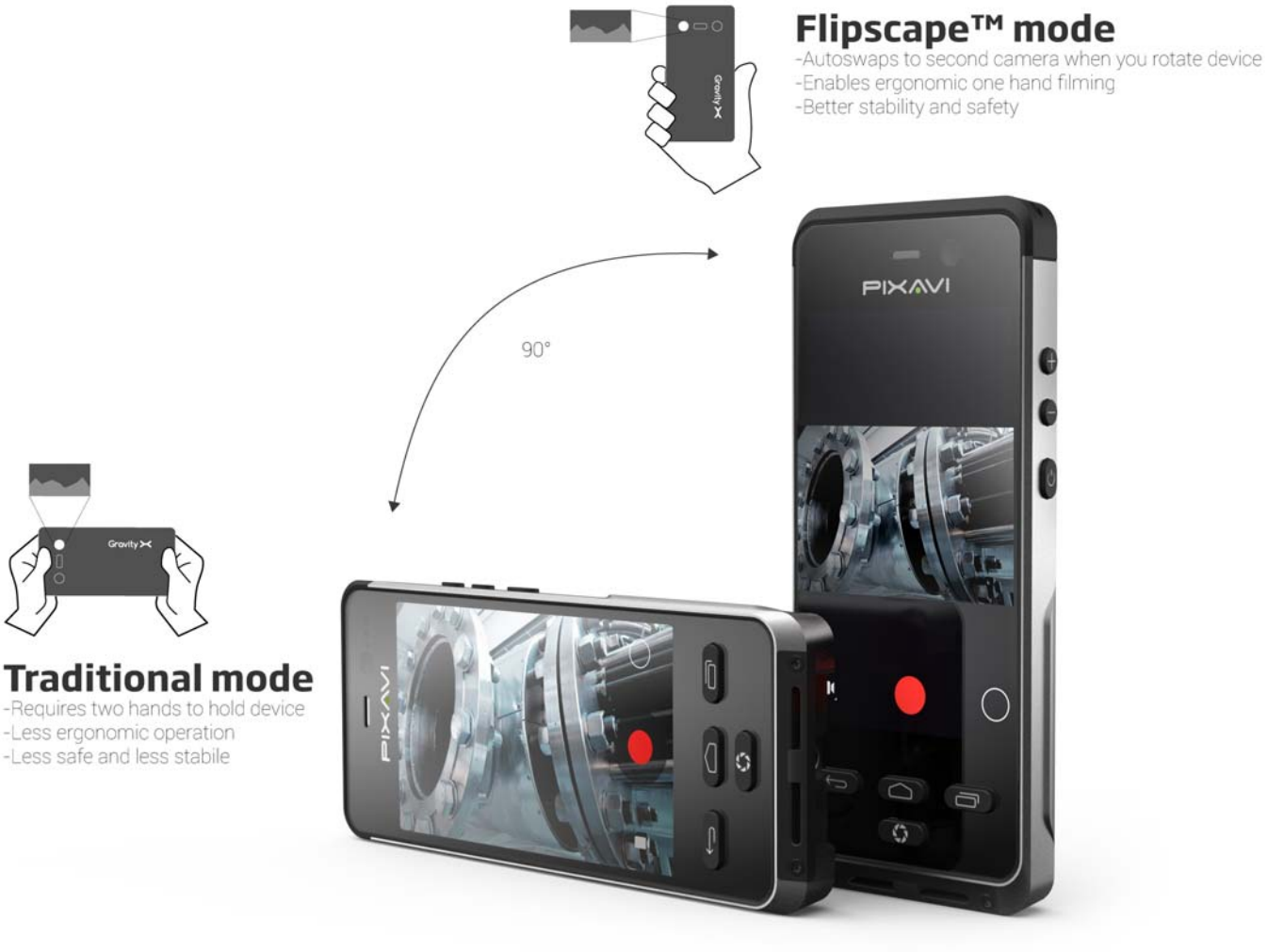
8 Mpix Full HD image sensors
4,3” sunlight readable display
Waterproof, IP68
Wi-Fi & Bluetooth



What

User friendly and high quality

Full HD 1080p video and 8 Mpix image capture, high end optics and super fast zoom and auto focus makes the Gravity X a very powerful product. The product enables high quality still image, audio and video capture in hazardous areas and immediately upload and store them to a network or computer. The camera also has a high capacity battery, fast auto focus lens and high resolution image sensors. The camera has an extremely light sensitive image sensor as well as a powerful LED light, enabling it to take great images in dark and confined spaces. The Gravity X intrinsically safe camera replaces the Xcorder EX4000 camera.



"The vertical video syndrome is cured! Videos will always look good, no matter how you hold it"

Your friend in the field

Ruggedized and Ex certified products have always been associated with low performance and outdated technology as well as bulky form factors. We wanted to change that! Our customers came to us and said they wanted the same performance and form factor in their rugged devices as they have in their consumer devices. They also wanted some additional features that no other camera has, and we made it happen. For example, the boot time is just 0,5 seconds, and the dedicated camera button allows the user to quickly and easily take images on the spot. The camera is fitted with a rugged strap mount or increased availability and dropped object safety.

Video and Imaging centric

We designed the camera with touch industrial environments in mind, where battery lifetime, ruggedness, sunlight readability and camera performance are essential. To ensure that the product achieves professional grade photography, we decided to add a dedicated camera button. The button has a two step procedure where the AE parameters are set before you fire the shot, much like your DSLR camera.

Many camera apps available

The Gravity X ships with several camera apps and even more is available on various app stores. This allows the user to customize the camera and have more usage scenarios. For example, you can now have access to apps for remote triggering of images, timed images, landscape shots, time laps and many others.

FlipScape

Did you ever wonder why many mobile videos are shown in a narrow strip in the middle of the video window on Youtube? The reason is that people want to hold their phone with one hand when recording videos. Flipscape solves this. Portrait mode or Landscape mode? It does not matter to Gravity X. Pictures will come out right whatever way you hold the device. The Gravity X changes to the second camera which is rotated 90 degrees compared to the other camera. You can now record landscape videos with one hand and have the other hand free.

Ergonomic features

The Gravity X was designed in cooperation with end users, and based on 13 years of experience within mobile devices for hazardous areas. First of all, the camera has a glove compatible touch screen and weight of only 290 grams which allows the users to bring the camera to any environment. The form factor is very attractive, it can easily fit in one hand, and inside a normal pocket. The camera also comes with a worlds first feature, the FlipScape.

Double battery capacity

The Gravity X is stuffed with advanced technology in order to offer the best possible performance in a very small form factor. Efficient processors ensures the lowest possible power consumption. We decided to add double the battery capacity compared to consumer devices. A 3000mAh battery ensures many active workdays of power.

Immune to the elements

The Gravity X is ruggedized to an extent that makes it able to take almost any challenge the environment might throw at it. It is impact proof, drop proof, dust proof, corrosion proof and water proof and ability to withstand extreme temperatures. Special glass Sealing method to enable IP68 Gorilla glass (2mm thick) as well as a sunlight readable IPS Display.

Machined from Aluminium

The Gravity X chassis is machined from one piece of high quality Norwegian aluminium in order to provide the ruggedness and high quality feel the product deserves. It is designed in cooperation with offshore workers and descends from a long tradition of Ex certified products designed by BARTEC PIXAVI in Norway.

Android operating system

Nothing else makes sense. Android is the leading mobile operating system today. Android enables a high performance media framework and easy to use, intuitive interfaces. The operating system is quick, familiar, and customizable. Android is easily updated, secure and future-proof. There is a growing community of app developers, which allows for customizations and new functionality. You also have access to a wide range of value adding apps from various app stores. The Gravity X is a stripped down version of the Impact X, where we have removed the 3G wireless and SIM card capabilities to enable a lower price. We could easily have called it a mini-tablet, since it has all the same functionality as a Android tablet. The Gravity X does not have a SIM-card slot, and it can therefore be used where cellphones are not allowed.

Specifications

Video and Imaging	
Video Quality	Full HD video (1080p, 30 FPS)
Storage Capacity	16 - 32 GB
Imaging	8 megapixel still images
Image Capture	Dedicated camera button
Zoom	Zoom (4x)
Video Codecs	H.264/AVC codec

Display and touch	
Screen Size	4,3 inch Retina display
Touch Screen	Glove compatible capacitive touch
Resolution	480 x 800 pixels
Glass	Gorilla glass (IP68)
Brightness	Direct sunlight readable display
Buttons	Volume, ON/OFF, Camera, Android

Ruggedness	
Impact	2 Joule Impact proof
Drop	2 meter drop proof
Submersible	IP68 waterproof
Explosion Protection	IECEx and ATEX Zone 1
Housing	Made from one piece of Aluminium
Connections	Covered USB port
Screen	2 mm Gorilla glass

Applications	
HD Video Collaboration	Sipido
Management Solution	Hostedmobiles.com
Browser	Full blown HTML5
Document Viewing	PDF and Office documents
ERP	Compatible with ERP systems
Apps	1.3 Million and More on Google Play

Ergonomic features	
Image Capture	Flipscape™: One hand videography
Dirt Proof	Anti-smudge recess for camera glass and screen
Form factor	Fits in hand and pocket
Glove Compatible	Glove compatible touch screen
Any Condition	Moisture resistive touch screen
Dropped Object	Hand strap for grip with gloves

Audio	
Microphone	Digital omni-directional microphone
Audio Codec	Full duplex audio communication
Video Recording	Stereo microphones on back
Wireless Headset	Bluetooth audio headset support
Handsfree	Integrated mic and speaker
Audio Codec	CD quality (AAC LC/LD)
Audio Out	3,5 mm standard connection

Networking	
Wi-Fi	802.11 abgn (2,4 Ghz and 5 Ghz)
Bluetooth	Bluetooth 3.0
Video Conferencing	Skype, SIP, H.323

Sensors	
Orientation	3 axis gyroscope
Accelerometer	Accelerometer
Navigation	Compass
Positioning	Global Positioning System (GPS)
Pressure	Pressure sensor

Power	
Battery	3000 mAh battery
Standby	400 h standby
Video Playback	8 hours playback time
Video Recording	4-6 hour full operating time

Temperature range	
Operating	-20°C to +45°C
Storage	-40°C to +60°C

Certifications	
Hazardous Areas	CSA Class 1, Zone 1 (US and Canada) IECEx and ATEX Zone 1 (Worldwide)
Ex Code	Ex ib IIC T4
Wireless	CE and FCC compliant (pending)
HS Code	8525.80.0035
Country of Origin	Made in Norway

Included	
Charger	USB Charger
Transfer images	Software for transferring images
Warranty	1 year hardware warranty
User Manual	Quick guide
Software updates	Available through HostedMobiles.com
Product box	Product box with custom shaped foam inlays

Size and Weight	
Size	150mm x 65mm x 12mm
Weight	290 grams (10 oz)

Tormatic AS
Tlf. 33 16 50 20 info@tormatic.no www.tormatic.no